

Title (en)

A SYSTEM FOR REDUCING THE SENSITIVITY OF A RING LASER GYRO TO CHANGES IN MAGNETIC FIELD.

Title (de)

SYSTEM ZUR REDUZIERUNG DER EMPFINDLICHKEIT EINES LASER-KREISELS GEGENÜBER MAGNETFELD-VERÄNDERUNGEN.

Title (fr)

SYSTEME DE REDUCTION DE LA SENSIBILITE D'UN GYROSCOPE A LASER ANNULAIRE AU CHANGEMENT D'UN CHAMP MAGNETIQUE.

Publication

EP 0192770 A4 19870212 (EN)

Application

EP 85905678 A 19850909

Priority

US 64956484 A 19840912

Abstract (en)

[origin: WO8601947A1] A ring laser gyro (10) is shown having a mirror (28-34) designed for maximum reflectivity of parallel and perpendicularly polarized light (Rp? and Rs?) at a frequency (f) slightly greater or less than the frequency of the laser. In this configuration, the reflection of the preferred perpendicularly polarized light (Rs?) is reduced but slightly, while the reflection of the less desirable parallel polarized light (Rp?) is reduced significantly.

IPC 1-7

H01S 3/083

IPC 8 full level

G01C 19/64 (2006.01); **G01C 19/66** (2006.01); **H01S 3/083** (2006.01)

CPC (source: EP US)

G01C 19/661 (2013.01 - EP US); **H01S 3/083** (2013.01 - EP US)

Citation (search report)

- [A] US 3622225 A 19711123 - BUCHMAN WILLIAM W, et al
- [A] GB 2097176 A 19821027 - DEUTSCHE FORSCH LUFT RAUMFAHRT
- See references of WO 8601947A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

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US 8501702 W 19850909; CA 490465 A 19850911; DE 3581189 T 19850909; EP 85905678 A 19850909; JP 50504585 A 19850909; US 64956484 A 19840912